# REQUEST FOR ACCESS TO AN ABANDONED APPLICATION UNDER 37 OFR 1.14

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I hereby request access under 37 OFR 1.14(a)(1)(iv) to the application file record of the above-identified ABANDONED application, which is identified in, or to which a benefit is claimed, in the following document (as shown in the ettechment):

United	States	Patent Application	in Publication No.	64978	7,08g8,	Ns	
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## (12) United States Patent

Weiss et al.

(10) Patent No.:

US 6,497,872 B1

(45) Date of Patent:

Dec. 24, 2002

## NEURAL TRANSPLANTATION USING PROLIFERATED MULTIPOTENT NEURAL STEM CELLS AND THEIR PROGENY

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- Assignee: NeuroSpheres Holdings Ltd., Calgary
- (\*) Notice: . Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
- (21) Appl. No.: 08/486,313
- (22) Filed: Jun. 7, 1995

## Related U.S. Application Data

Related U.S. Application Data

Continuation-in-part of application No. 08/270,412, filed on Jul. 5, 1994, now abandoned, which is a continuation of application No. 07/26,612, filed on Jul. 8, 1991, now abandoned, application No. 08/486,313, which is a continuation-in-part of application No. 08/486,313, which is a continuation No. 07/861,813, filed on Cot. 16, 1992, now abandoned, which is a continuation-in-part of application No. 08/486,313, which is a continuation-in-part of application No. 08/486,313, which is a continuation-in-part of application No. 08/486,313, which is a continuation-in-part of application No. 08/389,945, filed on Dec. 20, 1994, flow abandoned, which is a continuation-in-part of application No. 08/379,945, filed on Dec. 20, 1994, flow abandoned, which is a continuation-in-part of application No. 07/726,812, filed on Jul. 8, 1991, now abandoned, which is a continuation-in-part of application No. 08/376,62, filed on Jan. 20, 1995, now abandoned, which is a continuation No. 08/08,29, filed on Jan. 20, 1993, now abandoned, which is a continuation No. 08/10,829, filed on Jan. 29, 1993, now abandoned, which is a continuation-in-part of application No. 08/486,313, which is a continuation-in-part of application No. 08/486,313, which is a continuation-in-part of application No. 08/486,313, which is a continuation-in-part of application No. 08/381,1099, filed on Sp. 23, 1994, now abandoned, which is a continuation-in-part of application No. 08/381,1099, filed on Sp. 23, 1994, now abandoned, which is a continuation-in-part of application No. 08/38,730, filed on No. 07/726,812, application No. 08/38,730, filed on No. 07/726,812.

Int. Cl. 7. A01N 63/00-A01N 65/00-A01N 65/00-A01

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- (52) U.S. Cl. ...... 424/93.1; 424/93.2; 424/93.21
- (58)Field of Search ..... 424/93.1, 93.2, 424/93.21; 514/44

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## ABSTRACT

The invention provides methods of transplanting multipotent neural stem cell progeny to a host by obtaining a population of cells derived from mammalian neural tissue containing at least one multipotent CNS multipotent neural stem cell; culturing the neural stem cell in a culture medium containing one or more growth factors which induce multipotent neural stem cell proliferation; inducing proliferation of the multipotent neural stem cell to produce neural stem cell progeny which includes multipotent neural stem cell progeny cells; and transplanting the multipotent neural stem cell progeny to the host. Also provided are methods of transplanting neural stem cell progeny to a host by obtaining an in vitro cell culture containing CNS neural stem cells where one or more cells in the culture (i) proliferates in a culture medium supplemented with one or more mitrogens, (ii) retains the capacity for renewed proliferation, and (iii) maintains the multipotential capacity, under suitable culture conditions, to differentiate into neurons, astrocytes, and oligodendrocytes; and transplanting the one or more cells to the hose.

32 Claims, 3 Drawing Sheets